

AMENDMENTS TO THE CLAIMS

Please amend claim 14 as follows. Please add claim 21. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-10. (Canceled)

11. (Previously Added) A method for identifying compounds with anti-anxiety activity comprising:

(a) administering a test compound to an animal comprising at least one non-functional allele of the p53 gene, and

(b) determining whether said test compound decreases anxiety in said animal, in which test compounds that decrease anxiety in said animal are identified as compounds with anti-anxiety activity.

12. (Previously Added) The method of claim 11, wherein said animal is a mouse.

13. (Previously Added) The method of claim 11, wherein two alleles of the p53 gene are not functional.

14. (Currently Amended) A method for identifying compounds with long-term memory restoring activity, comprising:

(a) administering a test compound to ~~an~~ a heterozygous animal comprising a non-functional allele of the p53 gene, wherein the animal exhibits a deficiency in long-term memory ~~the animal has a diminished capacity to recall a previous test~~, and

(b) determining whether said test compound restores long-term memory in said animal, wherein test compounds that improve the deficiency in long-term memory ~~diminished capacity to recall the previous test~~ are identified as compounds with long-term memory restoring activity.

15. (Previously Added) The method of claim 14, wherein said animal is a mouse.

16. (Canceled)

17. (Previously Added) The method of claim 11, wherein determining whether said test compound decreases anxiety in said animal comprises subjecting said animal to an Open-Field test.

18. (Previously Added) The method of claim 11, wherein determining whether said test compound decreases anxiety in said animal comprises determining whether said test compound decreases thigmotaxia.

19. (Previously Added) The method of claim 14, wherein determining whether said test compound restores long-term memory in said animal comprises subjecting the animal to a Morris swimming pool test.

20. (Previously Added) The method of claim 14, wherein determining whether said test compound restores long-term memory in said animal comprises calculating a spatial bias index.

21. (New) The method of claim 14, wherein the animal has a diminished capacity to recall a previous test, and determining whether said test compound restores long-term memory in said animal comprises determining whether said test compound improves the diminished capacity to recall the previous test.